



スバル社の
文房具部
加賀市
加賀市
加賀市

NOTE-BOOK

採集日記

加賀川

1935, 第=冊

April

SPARTA

* $K + V + I + \dots - \text{O-tube} = 2.7$ $\frac{\text{days}}{\text{body length}}$ 11 mm 983
25 full grown nymphs = 10 + 1.

三本木へ入り 11時30分 = 橋、水に落ちた。 +8.4
 10月10日、後、水に落ちた。 ~~水~~ 水に落ちた。 *Kyotoensis* 幼虫 - 3匹*
 水に落ちた。 *Kyotoensis* / type locality + 水に落ちた。 1932, Apr. 17 = 水に落ちた。
 採集の nymph の type specimen を得た。 水に落ちた。 1933, Apr. 23 = 水に落ちた。 水に落ちた。 nymph
 採集 = 水に落ちた。
 水に落ちた。 水に落ちた。 *sublimago* を得た。 水に落ちた。 水に落ちた。 range
 の 水に落ちた。 水に落ちた。 水に落ちた。 水に落ちた。 *montanus* と *sublimago*
 territory / 水に落ちた。 水に落ちた。 水に落ちた。
 水に落ちた。 *imago* / swarming。 水に落ちた。 水に落ちた。 水に落ちた。
 水に落ちた。 水に落ちた。 水に落ちた。 水に落ちた。 *Kyotoensis* / 水に落ちた。
Olatifolium, *tobironis*, *Paraleptophlebia* 等。 水に落ちた。
 水に落ちた。 水に落ちた。 水に落ちた。 水に落ちた。

[illegible]

* 既 = - (10) の終止のとき、 τ は - (10) の終止のとき、且
11 区 / 中 τ 5 区、既 = 10 区 / 中。残り 6 区 / 中、 τ は 3
区 τ 既止 τ = stage 7 まで。よく τ grown τ 中 τ 中 τ = +1
next. (Apr. 20 1936)

現居の10ヶ所説明を以てイカト思ふ。この日、この五ヶ所高を登り、
杉ノ植林がすて紫ヲ成ツテ研がス。杉ノ植林ノ初ッテカラ
湧ル行ツタメテ道方再び答ニ接セシ。ソコニ湯ガ出来テ又ハ
研ガアル。ソコマデ行ツタメテ。ヤケニミエトコノ湯マデノ間ニテ。この
五ヶ所ニハ五ノ箇ニ一ツモ見付ケルヲ出来ナカッタリテアル。
合計11匹迄得タル也。此大急ギおヒスレバ大にモイラ
思フ、モウ時間ノ余裕ガナクテ各々下ツ初メタ。

道 = iōriti 觀察スルニ、持来シ初メノ所カラ、此方ノ溪
 ノ下マデ。各治ヒニ歩行セリ、又ニテモ小サナ溪ヤリ。湖チラニ
 防ケラレテ、大変オホク。太郎アリト云フニ、コラニ道カヲ見
 テス。ソノ巨壑ト云フモノ、一丁モナシ（勿論水ニ平直者）ト云フニ
 衆ヲ引リテ、其ノ先ニツキ、山ノ根ニ nymph transport / 用意アリ
 ニテオホクアリ、又ニカヘリノオバ^ハニ出ダシ、'セントトミヤカ'
 ト云フナリ。

今日の北風が強いので、 \rightarrow transport
の効果が大きい。また、 \rightarrow evaporate の
効果も大きい。この \rightarrow evaporate = ... 今日、林 + 地表 + 水
/ radiation = ... cooling effect の効果が大きい。
今日、林 + 地表 + 水 = ...

錦ウテ 浅田等 = 10m, 60y 10m 10m 10m 10m 10m.
≡ 本木等 浅田等 Habitat = 浅田 石等 浅田等 浅田等 浅田等 浅田等

cusculus: natural habitat = 石(砂)の石(砂)の割合, 石(砂)の割合
Blephatus: 林, 石(砂)の割合 crawling 10/7 観察 (Apr. 19 観察, 合
 20 観察)

[illegible]

190=10. 按字計表下カ 今01相バハニ01段ワカ. マーニニ
 211ニニナナ. 10ニ 03x 15ワカ下 Ephemerella 01カ
 11=crawlingニナナ 200ニ 今、同、ニニニ
 211ニニナナ. 01000000 glidingナナナナ.

		東京 池田川		
		池田川	池田川	池田川
Epeorus	ikanonis	X	X	X
"	latifolius	O	O	O
"	curvatus	O	O	O
"	nipponicus	X	X	X
"	venosus	O	O	O
"	ascellus (cumulus)	X	X	X
Rhyacogena		X	X	X
Heptagenia	kikada			
Heptagenia	sp.	X	O	O
Ecdyonurus	yoshida	O	O	O
"	tobionis	X	X	X
"	sp.			
Ephemerella	sp.	⊙	⊙	⊙
"	tertiana	X	X	X
"	basalis	X	⊗	O
"	sp. a	O	O	X
"	sp. b	X	X	O
"	nigra	O	O	O
Ameletus	costalis	⊙ X	⊙ ●	⊙ ●
"	kyotoensis			
"	montanus	●	●	●
Isonychia		X	X	O
Paraleptophlebia	spinosa	X	X	X
P.	urtica	X O	O	⊗
Ephemerella	strigata	X	O	O

本本-
tertiana?

三本本=

217 ● 191-217 station=217. 池田川 池田川 池田川
 191. 池田川 池田川 池田川 池田川 池田川
 loose stone, 池田川 池田川 池田川 池田川 池田川
 strigata 7 7 7 7 7. strigata 1 1 1 1 1
 loose little stone, 池田川 池田川 池田川 池田川 池田川
 loose stone, 池田川 Ephemerella, nymph crawling
 池田川 池田川 池田川 池田川 池田川
 池田川 池田川 池田川 池田川 池田川

Ephemerella nigra, sp. a, basalis

191- 池田川 池田川 池田川 池田川 池田川
 池田川 池田川 池田川 池田川 池田川
 池田川 池田川 池田川 池田川 池田川
 brown 池田川. 池田川 池田川 池田川 池田川
 池田川 池田川 池田川 池田川 池田川
 full grown 池田川 池田川 池田川 池田川 池田川

Ephemerella sp. b

池田川 池田川 池田川 池田川 池田川
 池田川 池田川 池田川 池田川 池田川
 池田川 池田川 池田川 池田川 池田川
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(Apr. 15 池田川 池田川)

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 { Perlidae 3 Baetis 3
 { curvatulus 1

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1. { Perla 3
Rhinogetino 1
basalis 8
2. { Rhinogetino 1
basalis 2
3. { Perla 1
basalis 3
yoshiidae 2
4. 1st 1st 1st 1
5. { Perla 7
basalis 2

1st 1st 1st 1st 1st 1st 1st 1st 1st 1st 1st 1st 1st 1st 1st 1st

12:07-21

07?

[illegible]

(May 19 1972)

1st + 17th. 7th 20th. 3rd 4th. 5th 19th. 1st 1st
 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th 17th 18th 19th 20th
 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th 17th 18th 19th 20th

21st 22nd 23rd 24th 25th 26th 27th 28th 29th 30th 31st 32nd 33rd 34th 35th 36th 37th 38th 39th 40th
 41st 42nd 43rd 44th 45th 46th 47th 48th 49th 50th 51st 52nd 53rd 54th 55th 56th 57th 58th 59th 60th

61st 62nd 63rd 64th 65th 66th 67th 68th 69th 70th 71st 72nd 73rd 74th 75th 76th 77th 78th 79th 80th

61st	62nd	63rd
64th	65th	66th
67th	68th	69th
70th	71st	72nd
73rd	74th	75th
76th	77th	78th
79th	80th	81st
82nd	83rd	84th
85th	86th	87th
88th	89th	90th
91st	92nd	93rd
94th	95th	96th
97th	98th	99th
100th	101st	102nd
103rd	104th	105th
106th	107th	108th
109th	110th	111th
112th	113th	114th
115th	116th	117th
118th	119th	120th
121st	122nd	123rd
124th	125th	126th
127th	128th	129th
130th	131st	132nd
133rd	134th	135th
136th	137th	138th
139th	140th	141st
142nd	143rd	144th
145th	146th	147th
148th	149th	150th
151st	152nd	153rd
154th	155th	156th
157th	158th	159th
160th	161st	162nd
163rd	164th	165th
166th	167th	168th
169th	170th	171st
172nd	173rd	174th
175th	176th	177th
178th	179th	180th
181st	182nd	183rd
184th	185th	186th
187th	188th	189th
190th	191st	192nd
193rd	194th	195th
196th	197th	198th
199th	200th	201st
202nd	203rd	204th
205th	206th	207th
208th	209th	210th
211st	212nd	213th
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217th	218th	219th
220th	221st	222nd
223rd	224th	225th
226th	227th	228th
229th	230th	231st
232nd	233rd	234th
235th	236th	237th
238th	239th	240th
241st	242nd	243rd
244th	245th	246th
247th	248th	249th
250th	251st	252nd
253rd	254th	255th
256th	257th	258th
259th	260th	261st
262nd	263rd	264th
265th	266th	267th
268th	269th	270th
271st	272nd	273rd
274th	275th	276th
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280th	281st	282nd
283rd	284th	285th
286th	287th	288th
289th	290th	291st
292nd	293rd	294th
295th	296th	297th
298th	299th	300th
301st	302nd	303rd
304th	305th	306th
307th	308th	309th
310th	311st	312nd
313rd	314th	315th
316th	317th	318th
319th	320th	321st
322nd	323rd	324th
325th	326th	327th
328th	329th	330th
331st	332nd	333rd
334th	335th	336th
337th	338th	339th
340th	341st	342nd
343rd	344th	345th
346th	347th	348th
349th	350th	351st
352nd	353rd	354th
355th	356th	357th
358th	359th	360th
361st	362nd	363rd
364th	365th	366th
367th	368th	369th
370th	371st	372nd
373rd	374th	375th
376th	377th	378th
379th	380th	381st
382nd	383rd	384th
385th	386th	387th
388th	389th	390th
391st	392nd	393rd
394th	395th	396th
397th	398th	399th
400th	401st	402nd
403rd	404th	405th
406th	407th	408th
409th	410th	411st
412nd	413rd	414th
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457th	458th	459th
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475th	476th	477th
478th	479th	480th
481st	482nd	483rd
484th	485th	486th
487th	488th	489th
490th	491st	492nd
493rd	494th	495th
496th	497th	498th
499th	500th	501st
502nd	503rd	504th
505th	506th	507th
508th	509th	510th
511st	512nd	513rd
514th	515th	516th
517th	518th	519th
520th	521st	522nd
523rd	524th	525th
526th	527th	528th
529th	530th	531st
532nd	533rd	534th
535th	536th	537th
538th	539th	540th
541st	542nd	543rd
544th	545th	546th
547th	548th	549th
550th	551st	552nd
553rd	554th	555th
556th	557th	558th
559th	560th	561st
562nd	563rd	564th
565th	566th	567th
568th	569th	570th
571st	572nd	573rd
574th	575th	576th
577th	578th	579th
580th	581st	582nd
583rd	584th	585th
586th	587th	588th
589th	590th	591st
592nd	593rd	594th
595th	596th	597th
598th	599th	600th
601st	602nd	603rd
604th	605th	606th
607th	608th	609th
610th	611st	612nd
613rd	614th	615th
616th	617th	618th
619th	620th	621st
622nd	623rd	624th
625th	626th	627th
628th	629th	630th
631st	632nd	633rd
634th	635th	636th
637th	638th	639th
640th	641st	642nd
643rd	644th	645th
646th	647th	648th
649th	650th	651st
652nd	653rd	654th
655th	656th	657th
658th	659th	660th
661st	662nd	663rd
664th	665th	666th
667th	668th	669th
670th	671st	672nd
673rd	674th	675th
676th	677th	678th
679th	680th	681st
682nd	683rd	684th
685th	686th	687th
688th	689th	690th
691st	692nd	693rd
694th	695th	696th
697th	698th	699th
700th	701st	702nd
703rd	704th	705th
706th	707th	708th
709th	710th	711st
712nd	713rd	714th
715th	716th	717th
718th	719th	720th
721st	722nd	723rd
724th	725th	726th
727th	728th	729th
730th	731st	732nd
733rd	734th	735th
736th	737th	738th
739th	740th	741st
742nd	743rd	744th
745th	746th	747th
748th	749th	750th
751st	752nd	753rd
754th	755th	756th
757th	758th	759th
760th	761st	762nd
763rd	764th	765th
766th	767th	768th
769th	770th	771st
772nd	773rd	774th
775th	776th	777th
778th	779th	780th
781st	782nd	783rd
784th	785th	786th
787th	788th	789th
790th	791st	792nd
793rd	794th	795th
796th	797th	798th
799th	800th	801st
802nd	803rd	804th
805th	806th	807th
808th	809th	810th
811st	812nd	813rd
814th	815th	816th
817th	818th	819th
820th	821st	822nd
823rd	824th	825th
826th	827th	828th
829th	830th	831st
832nd	833rd	834th
835th	836th	837th
838th	839th	840th
841st	842nd	843rd
844th	845th	846th
847th	848th	849th
850th	851st	852nd
853rd	854th	855th
856th	857th	858th
859th	860th	861st
862nd	863rd	864th
865th	866th	867th
868th	869th	870th
871st	872nd	873rd
874th	875th	876th
877th	878th	879th
880th	881st	882nd
883rd	884th	885th
886th	887th	888th
889th	890th	891st
892nd	893rd	894th
895th	896th	897th
898th	899th	900th
901st	902nd	903rd
904th	905th	906th
907th	908th	909th
910th	911st	912nd
913rd	914th	915th
916th	917th	918th
919th	920th	921st
922nd	923rd	924th
925th	926th	927th
928th	929th	930th
931st	932nd	933rd
934th	935th	936th
937th	938th	939th
940th	941st	942nd
943rd	944th	945th
946th	947th	948th
949th	950th	951st
952nd	953rd	954th
955th	956th	957th
958th	959th	960th
961st	962nd	963rd
964th	965th	966th
967th	968th	969th
970th	971st	972nd
973rd	974th	975th
976th	977th	978th
979th	980th	981st
982nd	983rd	984th
985th	986th	987th
988th	989th	990th
991st	992nd	993rd
994th	995th	996th
997th	998th	999th
1000th	1001st	1002nd
1003rd	1004th	1005th
1006th	1007th	1008th
1009th	1010th	1011st
1012nd	1013rd	1014th
1015th	1016th	1017th
1018th	1019th	1020th
1021st	1022nd	1023rd
1024th	1025th	1026th
1027th	1028th	1029th
1030th	1031st	1032nd
1033rd	1034th	1035th
1036th	1037th	1038th
1039th	1040th	1041st
1042nd	1043rd	1044th
1045th	1046th	1047th
1048th	1049th	1050th
1051st	1052nd	1053rd
1054th	1055th	1056th
1057th	1058th	1059th
1060th	1061st	1062nd
1063rd	1064th	1065th
1066th	1067th	1068th
1069th	1070th	1071st
1072nd	1073rd	1074th
1075th	1076th	1077th
1078th	1079th	1080th
1081st	1082nd	1083rd
1084th	1085th	1086th
1087th	1088th	1089th
1090th	1091st	1092nd
1093rd	1094th	1095th
1096th	1097th	1098th
1099th	1100th	1101st
1102nd	1103rd	1104th
1105th	1106th	1107th
1108th	1109th	1110th
1111st	1112nd	1113rd
1114th	1115th	1116th
1117th	1118th	1119th
1120th	1121st	1122nd
1123rd	1124th	1125th

* 2000 - Black & grey & greyish black. 2000 500 1000
 2000 - black & grey (Apr. 22 1911)

	hirasaka			
	H. vermicis			
	Signif.	Sublimago	Tr. sp.	Notes
1000	2	1		
1500				
2000		2		
2100		2		
2200		5		
2300		6	4	sublimago 1000
2400		3	3	sublimago 1000
2500		2	2	
2600		3	3	sublimago 1000
2700				

(Apr. 25 1911)

3000 4000 5000 6000 7000 8000 9000 10000
 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
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 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

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 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

Apr. 19. 5000 10000 15000 20000 25000 30000 35000 40000 45000 50000
 5000 10000 15000 20000 25000 30000 35000 40000 45000 50000

5000 10000 15000 20000 25000 30000 35000 40000 45000 50000
 5000 10000 15000 20000 25000 30000 35000 40000 45000 50000

5000 10000 15000 20000 25000 30000 35000 40000 45000 50000
 5000 10000 15000 20000 25000 30000 35000 40000 45000 50000
 5000 10000 15000 20000 25000 30000 35000 40000 45000 50000

5000 10000 15000 20000 25000 30000 35000 40000 45000 50000
 5000 10000 15000 20000 25000 30000 35000 40000 45000 50000
 5000 10000 15000 20000 25000 30000 35000 40000 45000 50000

* *Blattaria*, *terrestrial* : ecology - 5/11/11

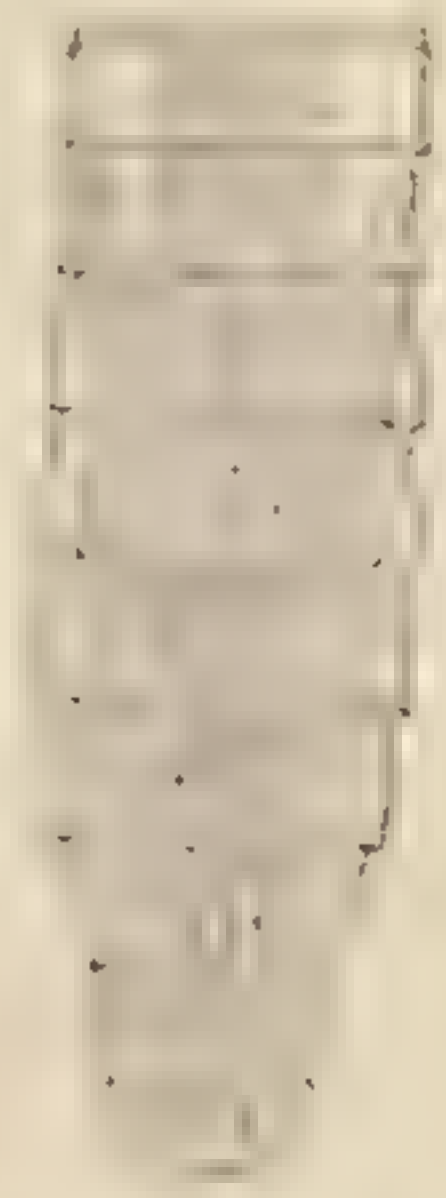
* List - p. 74 & 123

[illegible][illegible]

W. C. C. C. C.

W. C. C. C. C.

W. C. C. C. C.



W. C. C. C. C.



W. C. C. C. C.

W. C. C. C. C.

W. C. C. C. C.

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W. C. C. C. C.

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W. C. C. C. C.

W. C. C. C. C.

(Apr. 20 12.)

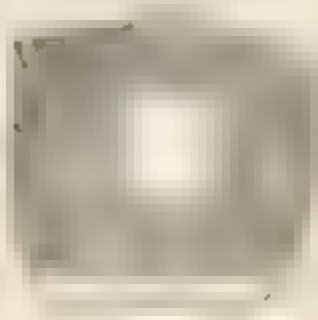
su. montanus + 同 2
(May 19, 51 ± 1P)

Amelitus = 2P

Amelitus = 2P

montanus = 2P (May 19, 51 ± 1P)

Amelitus = 2P (May 19, 51 ± 1P)



Amelitus = 2P (May 19, 51 ± 1P)

Amelitus = 2P (May 19, 51 ± 1P)

Amelitus = 2P (May 19, 51 ± 1P)

Amelitus = 2P (May 19, 51 ± 1P)



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Amelitus = 2P (May 19, 51 ± 1P)

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Amelitus = 2P (May 19, 51 ± 1P)

Amelitus = 2P (May 19, 51 ± 1P)

Amelitus = 2P (May 19, 51 ± 1P)

Amelitus = 2P (May 19, 51 ± 1P)

(May 19, 51 ± 1P)

Amelitus = 2P (May 19, 51 ± 1P)

upper canine of right mandible = 2P (May 19, 51 ± 1P)
Kyotensis = 2P (May 19, 51 ± 1P)
Kyotensis? = 2P (May 19, 51 ± 1P)

Epeorus = 2P (May 19, 51 ± 1P)
celestis cumulus = 2P (May 19, 51 ± 1P)
Amelitus = 2P (May 19, 51 ± 1P)

japonica = 2P (May 19, 51 ± 1P)
Dipteromimus = 2P (May 19, 51 ± 1P)
- 2P (May 19, 51 ± 1P)

asculus = 2P (May 19, 51 ± 1P)
Rhutrogena = 2P (May 19, 51 ± 1P)

asculus = large stone = 2P (May 19, 51 ± 1P)
stone = 2P (May 19, 51 ± 1P)
habitat preference = 2P (May 19, 51 ± 1P)
(Apr. 20 1951)

19D / 19D = 2P (May 19, 51 ± 1P)
20D = 2P (May 19, 51 ± 1P)
= 2P (May 19, 51 ± 1P)

21D = 2P (May 19, 51 ± 1P)
20D = 2P (May 19, 51 ± 1P)

Heptagenia = 2P (May 19, 51 ± 1P)

Heptagenia = 2P (May 19, 51 ± 1P)

[illegible]

7 E11 中. 207E 入ルカ7 録 107 10135. 1012 河 ie. Fluss
 5114. 底 on 207E 1017 1017 1017 人 107 1017 1017 1017
 white roar 1017 1017 habitat 1017. biological = 1017 1017
 curvatus 1017 1017 1017. 207 1017 1017 = 1017 1017 1017 1017
 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017
 aboriginal = 1017 1017 flood plain 1017. 1017 1017 1017 1017
 transition belt = 1017 1017 1017. 1017 1017 1017 1017 1017
 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017
 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017
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 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017

水ノキナキナイニチ mayfly fauna - 影響ハ其ノ influence
ヲ及ビテ水生昆虫ノカ、コトハ nautilus + aesculus、サナエノ
下流ニ中流ノ如ク、川ノ水ニ飼育シタルヤト異ナルニ對シ -
saunken sio + binotatus ノ變容アリテ、飼育ノ後ニ生じた。

[illegible]

[illegible]

フノカス、同音とて、ハ 衆神様 乃セデ 降参コソレデ。 190 = 791ヒニ
220 = imago + tui 1デ"アル。

[illegible]

上カ・天橋ノ下手ノ文ニイテ右等ヨリトナリ、左等ヨリハ、中カ等ニ
テツノ中ニlittle stoneノ小流ニガ出来テ也。vernalisノ春ノ文ニ

(May 19, 1891)

1871

Major: *agulos, aculeus, Alutrogon.*

hirasana trispina, sp. l.

Asplenium platyneuron (L.) Oakes, (Apr. 26/27)

[illegible][illegible]

} ● uenoi 7 ● *Baetiella* 2
 } ○ *curvatus* 1
 } ○ *latifolius* 1

7 22 Ev. ueno - Bactiella, association, 100 11% - 6147 E
Bactiella, 100 11% - 6147 E

207 楚江石 此如新川石也。其色如石，而白，sp. b
+ vernalis + sp. a 分佈於南美洲，及在歐洲，加那利群島，
及在非洲，~~其色如石~~ = sp. 然其 21 sp. b 及 vernalis + sp. a
vernalis，乃在北美洲，及在南美洲，大川，河流，及湖泊。

[illegible]

1. 複眼(目), 飛 翼 + 頭幅 + , ratio
2. genitalia , 形態

[illegible]
$$d) \text{ c) } 203 = 207 - 4 + 516$$

vernalis, hirasana, adustus

ハ少クハ 37 種数ト云フ = m_1, r_{m_1} . 18: kurobanan¹⁰_λ ♂ = EP 71.2
 時刻カ " 同。カウノテ, genitalia shape + ⁽¹⁹⁾_λ b. hirasana 1 ♀ 72.26 以下
 7 種全ツハ 出来トカヨ。

202107 Heptagenia vernalis + Toxotoma ^{no. 20111} Heptagenia sp. "

Heptagenia hirasana

ト改定ス。 2075 5151 頁-5200 税額ハ 出束 得べシハ 高+古ニテナリ。
(Apr. 27).

727 新以16122カ シツテナシ、此 348.14 r 144 年 to vernalis へ
カズル、 348.14 r 144 = 144 + 144 = 288 年カ?

hirasana 7 1017 1018. Apr. 28? 1930; type locality n.
 1019 1020. 1021 p. 86. 1022 = 1023 Apr. 2, 1932 =
 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1050 1051 1052 1053 1054 1055 1056 1057 1058 1059 1060 1061 1062 1063 1064 1065 1066 1067 1068 1069 1070 1071 1072 1073 1074 1075 1076 1077 1078 1079 1080 1081 1082 1083 1084 1085 1086 1087 1088 1089 1090 1091 1092 1093 1094 1095 1096 1097 1098 1099 1100 1101 1102 1103 1104 1105 1106 1107 1108 1109 1110 1111 1112 1113 1114 1115 1116 1117 1118 1119 1120 1121 1122 1123 1124 1125 1126 1127 1128 1129 1130 1131 1132 1133 1134 1135 1136 1137 1138 1139 1140 1141 1142 1143 1144 1145 1146 1147 1148 1149 1150 1151 1152 1153 1154 1155 1156 1157 1158 1159 1160 1161 1162 1163 1164 1165 1166 1167 1168 1169 1170 1171 1172 1173 1174 1175 1176 1177 1178 1179 1180 1181 1182 1183 1184 1185 1186 1187 1188 1189 1190 1191 1192 1193 1194 1195 1196 1197 1198 1199 1200 1201 1202 1203 1204 1205 1206 1207 1208 1209 1210 1211 1212 1213 1214 1215 1216 1217 1218 1219 1220 1221 1222 1223 1224 1225 1226 1227 1228 1229 1230 1231 1232 1233 1234 1235 1236 1237 1238 1239 1240 1241 1242 1243 1244 1245 1246 1247 1248 1249 1250 1251 1252 1253 1254 1255 1256 1257 1258 1259 1260 1261 1262 1263 1264 1265 1266 1267 1268 1269 1270 1271 1272 1273 1274 1275 1276 1277 1278 1279 1280 1281 1282 1283 1284 1285 1286 1287 1288 1289 1290 1291 1292 1293 1294 1295 1296 1297 1298 1299 1300 1301 1302 1303 1304 1305 1306 1307 1308 1309 1310 1311 1312 1313 1314 1315 1316 1317 1318 1319 1320 1321 1322 1323 1324 1325 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336 1337 1338 1339 1340 1341 1342 1343 1344 1345 1346 1347 1348 1349 1350 1351 1352 1353 1354 1355 1356 1357 1358 1359 1360 1361 1362 1363 1364 1365 1366 1367 1368 1369 1370 1371 1372 1373 1374 1375 1376 1377 1378 1379 1380 1381 1382 1383 1384 1385 1386 1387 1388 1389 1390 1391 1392 1393 1394 1395 1396 1397 1398 1399 1400 1401 1402 1403 1404 1405 1406 1407 1408 1409 1410 1411 1412 1413 1414 1415 1416 1417 1418 1419 1420 1421 1422 1423 1424 1425 1426 1427 1428 1429 1430 1431 1432 1433 1434 1435 1436 1437 1438 1439 1440 1441 1442 1443 1444 1445 1446 1447 1448 1449 1450 1451 1452 1453 1454 1455 1456 1457 1458 1459 1460 1461 1462 1463 1464 1465 1466 1467 1468 1469 1470 1471 1472 1473 1474 1475 1476 1477 1478 1479 1480 1481 1482 1483 1484 1485 1486 1487 1488 1489 1490 1491 1492 1493 1494 1495 1496 1497 1498 1499 1500 1501 1502 1503 1504 1505 1506 1507 1508 1509 1510 1511 1512 1513 1514 1515 1516 1517 1518 1519 1520 1521 1522 1523 1524 1525 1526 1527 1528 1529 1530 1531 1532 1533 1534 1535 1536 1537 1538 1539 1540 1541 1542 1543 1544 1545 1546 1547 1548 1549 1550 1551 1552 1553 1554 1555 1556 1557 1558 1559 1560 1561 1562 1563 1564 1565 1566 1567 1568 1569 1570 1571 1572 1573 1574 1575 1576 1577 1578 1579 1580 1581 1582 1583 1584 1585 1586 1587 1588 1589 1590 1591 1592 1593 1594 1595 1596 1597 1598 1599 1600 1601 1602 1603 1604 1605 1606 1607 1608 1609 1610 1611 1612 1613 1614 1615 1616 1617 1618 1619 1620 1621 1622 1623 1624 1625 1626 1627 1628 1629 1630 1631 1632 1633 1634 1635 1636 1637 1638 1639 1640 1641 1642 1643 1644 1645 1646 1647 1648 1649 1650 1651 1652 1653 1654 1655 1656 1657 1658 1659 1660 1661 1662 1663 1664 1665 1666 1667 1668 1669 1670 1671 1672 1673 1674 1675 1676 1677 1678 1679 1680 1681 1682 1683 1684 1685 1686 1687 1688 1689 1690 1691 1692 1693 1694 1695 1696 1697 1698 1699 1700 1701 1702 1703 1704 1705 1706 1707 1708 1709 1710 1711 1712 1713 1714 1715 1716 1717 1718 1719 1720 1721 1722 1723 1724 1725 1726 1727 1728 1729 1730 1731 1732 1733 1734 1735 1736 1737 1738 1739 1740 1741 1742 1743 1744 1745 1746 1747 1748 1749 1750 1751 1752 1753 1754 1755 1756 1757 1758 1759 1760 1761 1762 1763 1764 1765 1766 1767 1768 1769 1770 1771 1772 1773 1774 1775 1776 1777 1778 1779 1780 1781 1782 1783 1784 1785 1786 1787 1788 1789 1790 1791 1792 1793 1794 1795 1796 1797 1798 1799 1800 1801 1802 1803 1804 1805 1806 1807 1808 1809 1810 1811 1812 1813 1814 1815 1816 1817 1818 1819 1820 1821 1822 1823 1824 182

池の H. hirasana が 加賀川 = 457. 一つ ecological interest
 を示す。其の川に生ずる。∴ 21 世紀 / granite + 川に 北山 /
 Urgebirge の 水成岩 / 川に 4117. 苔類 / 相違が fauna /
 相違を 示す。その川に 4117. 苔類 / 相違が fauna /
 が 池に、代表者として 苔類 / 相違が fauna /
 今や 21 世紀 / 相違が fauna / 苔類 / 相違が fauna /
 苔類 / 相違が fauna / 苔類 / 相違が fauna /

今や 21 世紀 / 相違が fauna / 苔類 / 相違が fauna /

Epeorus curvatus? aesculus

Heptagenia hirasana

Ephemerella trispina

Ameletus montanus

Baetiella japonica

苔類 / 相違が fauna / 苔類 / 相違が fauna /

尚 21 世紀 / 相違が fauna / 苔類 / 相違が fauna /
 加賀川に 苔類 / 相違が fauna / 苔類 / 相違が fauna /
 が 苔類 / 相違が fauna / 苔類 / 相違が fauna /
 苔類 / 相違が fauna / 苔類 / 相違が fauna /
 Key 7 苔類 / 相違が fauna / 苔類 / 相違が fauna /

今日 21 世紀 / 相違が fauna / 苔類 / 相違が fauna /
 1930 = 1117 Epeorus が 苔類 / 相違が fauna /
 1930 = 1117 Epeorus が 苔類 / 相違が fauna /

